

## ABSTRACT

A coke-oven repairing apparatus comprising: a traveling carriage<sup>3</sup> which travels in the direction of coke oven battery with the carriage straddled on the rails placed on the top of a coke oven ; a traversing carriage<sup>4</sup> provided on said traveling carriage<sup>3</sup>, which moves in the direction orthogonal to the direction of coke oven battery; and a working device<sup>5</sup> for making repairs on the oven walls within the coke oven which is mounted on said traversing carriage<sup>4</sup>,

wherein the working device 5 includes: a guide post 31 which stands on the traversing carriage<sup>4</sup> , and is also coupled, at its lower end portion, to a supporting portion provided on the traversing carriage through a pivot shaft 42; a lance 32 which ascends or descends along the guide post 31; and a derricking device 45 which tilts the guide post 31 between a forward-tilted posture and a backward-tilted posture using the pivot shaft 42 as the fulcrum to oscillate the lance 32 inserted in a coke-oven carbonizing chamber through a charging-hole, within the carbonizing chamber.